

# TWENTY-FOURTH ANNUAL MEETING OF THE CALIFORNIA AQUATIC BIOASSESSMENT WORKGROUP

DAVIS, CALIFORNIA  
October 24 and 25, 2017

## MEETING AGENDA

**TUESDAY OCTOBER 24**      **ARC Ballroom, UC Davis Campus**

8:30 – 9:00    **Registration**

9:00 - 9:15    [Welcome and Objectives of the Meeting](#) – *Jim Harrington, California Department of Fish and Wildlife (CDFW), Office of Spill Prevention and Response (OSPR), Aquatic Bioassessment Laboratory (ABL)*

9:15 – 9:40    [Overview of the SWAMP Bioassessment Program and Resources](#) – *Calvin Yang, State Water Resources Control Board (SWRCB)*

### **Session on the California Rapid Assessment Method (CRAM)**

9:40 – 10:00    [What is the California Rapid Assessment Method \(CRAM\) and How it is Used in Bioassessment](#) – *Sarah Pearce, San Francisco Estuary Institute*

10:00 – 10:30    [Validating the California Rapid Assessment Method for Depressional, Slope, and Vernal Pool Wetlands](#) – *Cara Clark, Moss Landing Marine Laboratories*

10:30 – 10:50    [The Use of CRAM in California Water Quality Regulatory Programs](#) – *Cliff Harvey, SWRCB*

10:50 – 11:10    **Break**

### **Session on Incorporating Bioassessment in Statewide and Regional Policies**

11:10 - 11:30    [Update on the Combined Statewide Biointegrity-Biostimulatory Policy for Streams](#) – *Jessie Maxfield, SWRCB*

11:30 – 11:45    [A Scientific Approach for a Biointegrity-Biostimulatory Policy](#) – *Martha Sutula, Southern California Coastal Water Research Project (SCCWRP), Costa Mesa, CA*

11:45 – 12:00    [Tools to Support a Biointegrity-Biostimulatory Policy](#) - *Rafi Mazor, SCCWRP*

12:00 – 12:20    [San Diego's Approach to Biological Objectives in Streams](#) – *Chad Loflen, San Diego Regional Water Quality Control Board*

12:20 – 12:40    Discussion on Session

12:40 – 2:00 **Lunch (on your own)**

2:00 – 2:30 [Developing an Index of Physical Habitat Integrity and How it Might be Used in Water Resource Programs](#) – *Andrew Rehn, ABL*

### **Society for Freshwater Science California Chapter Session**

2:30 – 2:45 [Introduction to CalSFS, the Workshop and Student Presentations on General Ecology](#) – *Jeanette Howard, The Nature Conservancy and John Olson, California State University Monterey Bay*

2:45 – 3:00 [Effects of Flow Variability on River Metacommunities in a Changing Climate](#) – *Parsa Saffarinia, UC Riverside*

3:00 – 3:15 [The Impact of Sacramento River Winter-Run Chinook Temperature Management on ESA-listed Green Sturgeon](#) – *Liam Zarri UC Santa Cruz*

3:15 – 3:30 [Small Streams and Riparian Zones in California's Sacramento Valley: Ecological Function and Management Opportunities](#) – *Alex Webster, Joanna P. Solins, and Mary L. Cadenasso, UC Davis*

3:30 – 3:45 [Riverine Canopy and Water Temperature: How Aquatic Plants are Ecosystem Engineers for Water Temperature](#) – *Ann Willis, UC Davis*

3:45 – 4:00 **Break**

4:00 – 5:00 **Annual Meeting of the California Chapter of the Society for Freshwater Science (CalSFS)**

**WEDNESDAY OCTOBER 25**

**ARC Ballroom, UC Davis Campus**

9:00 – 9:15 [Modeling Seasonal Evolution of Longitudinal Benthic Algae Distributions in the Klamath River in Response to Chemical Gradients](#) – *Mike Deas, Watercourse Engineering, Davis*

9:15 – 9:30 [Fish Behavior and Food Web Phenology - Implications for Management](#) – *Gabe Rossi, UC Berkeley*

9:30 – 9:45 [2017: the Year the California Tiger Salamander Lost its Unicorn Status](#) – *Jaymee Marty, Marty Ecological Consulting, Inc., Sacramento*

9:45 – 10:00 [Using Genomics to Assess the Impact of River Regulation in a River Breeding Frog \(\*Rana boylei\*\)](#) – *Ryan Peek, UC Davis*

10:00 – 10:15 [Predator Adaptation Exacerbates Ecological Responses to Warming](#) – *David Fryxell, UC Santa Cruz*

10:15 – 10:30 **Break**

- 10:30 – 10:45 [Development of Biological Indicators for the Dry Phase of Intermittent Rivers and Ephemeral Streams](#) – *Matt Robinson, Cal State Monterey Bay*
- 10:45 – 11:00 [A Comparison of Benthic Macroinvertebrate Assemblages in Perennial and Intermittent Headwater Streams of the Mattole River in Northern California, USA](#) – *Mason London, Humboldt State University (HSU), Arcata, CA*
- 11:00 – 11:15 [Two-Way Trap and Haul as a Conservation Strategy for Anadromous Salmonids](#) – *Rob Lusardi, UC Davis*
- 11:15 – 11:30 [Integration of Western Science and Indigenous Science to Inform Management of the Upper Eel River](#) – *Lara Jansen and Leke Hutchins, HSU*
- 11:30 – 11:45 [The Development and Enhancement of an Invasive Crayfish Control Strategy for the Malibu Creek Watershed, Los Angeles County, USA](#) – *Angela D. Dow, Mountains Restoration Trust in Calabasas, CA*
- 11:45 – 1:00 **Lunch (on your own)**
- 1:00 – 5:00 **Special Cal SFS Workshop: Biomonitoring Using eDNA**
- [1<sup>st</sup> Presentation – Biomonitoring Using eDNA](#) - *John Olson, CSUMB CA*
- [2<sup>nd</sup> Presentation – Biomonitoring Using eDNA](#) - *Dovi Kacev, SCCWRP CA*

